

FORM PTO-1585

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PATENTS ONLY

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof

1. Name of conveying party(ies): **10-3-02**
Christoph HALUSCHKA
Juergen ARNOLD
Vera WEIN
Rainer BACH
Klaus HRASSTNIK
Christoph KERN
 Additional name(s) of conveying parties attached? Yes
 No

2. Name and address of receiving party(ies)
 Name: Robert Bosch GmbH
 Internal Address: _____
 Street Address: Postfach 30 02 20
 City: D-70442 Stuttgart
 State: Federal Republic of Germany
 ZIP: _____
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
 Execution dates: July 19, 2002, July 12, 2002, July 09, 2002,
 July 24, 2002, July 10, 2002 and July 9, 2002.

4. Application numbers or patent numbers:
 Execution date of application is:
 A. Patent Applications:
10/149,483
 Additional Numbers attached? Yes No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Richard L. Mayer
 Internal Address: KENYON & KENYON
 Street Address: One Broadway
 City: New York State: New York ZIP: 10004
CUSTOMER NO. 26646

6. Total number of applications and patents involved: **1**
 7. Total fee (37 C.F.R. 3.41) \$ **40.00**
 Enclosed
 Authorized to be charged to deposit account
 8. Deposit account number:
11-0600

DO NOT USE THIS SPACE

9. Statement and signature. *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*
 Richard L. Mayer (Reg. No. 22,490)
 Name of Person Signing Richard L. Mayer Signature [Signature] Date 9/21/02
 Total Number of pages including cover sheet, attachments and document: 10

OMB No. 0651-0011 (exp. 4/94)
 Do not detach this portion
 Mail documents to be recorded with required cover sheet information to:
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10/23/2002 6T0N11 00000003 110600 10149483
 01 FC:8021 NY01 402 001 GH1

ASSIGNMENT

WHEREAS, we,

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75446 Wiernsheim
Federal Republic of Germany
Citizenship: Federal Republic of Germany

Klaus HRASTNIK
Liststrasse 64
70180 Stuttgart
Federal Republic of Germany
Citizenship: Austria

and

Christoph KERN
Wilhelmstrasse 5
71546 Aspach
Federal Republic of Germany
Citizenship: Federal Republic of Germany

have made inventions and discoveries in **SHEATHED-ELEMENT GLOW PLUG**, for which an application for Letters Patent was filed as PCT International Application No. **PCT/DE00/03898** on November 8, 2000 and

WHEREAS **Robert Bosch GmbH**, having a place of business at **Postfach 30 02 20, D-70442 Stuttgart, Federal Republic of Germany**, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all of said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries,

applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand
and seal this 19th day of July, 2002.



Christoph HALUSCHKA

IN TESTIMONY WHEREOF, I have ~~hereunto~~ set my hand
and seal this 12 day of July, 2002.



Juergen ARNOLD

NY01 484471 v 1

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NY01 484471 v 1

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PATENT
REEL: 013398 FRAME: 0773

IN TESTIMONY WHEREOF, I have hereunto set my hand
seal this 09 day of 07., 2002.

~~Vera Wein~~

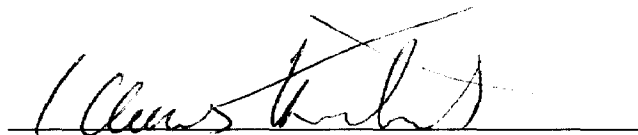
Vera WEIN

IN TESTIMONY WHEREOF, I have hereunto set my hand
and seal this 24th day of July, 2002.

R. Bach 24.07.02

Rainer BACH

IN TESTIMONY WHEREOF, I have ~~hereunto~~ set my hand
and seal this ~~10~~ day of 07, 2002.

A handwritten signature in cursive script, appearing to read "Klaus HRASTNIK", is written over a horizontal line.

Klaus HRASTNIK

IN TESTIMONY WHEREOF, I have hereunto set my hand

and seal this 9~~th~~ day of July, 2002.



Christoph KERN